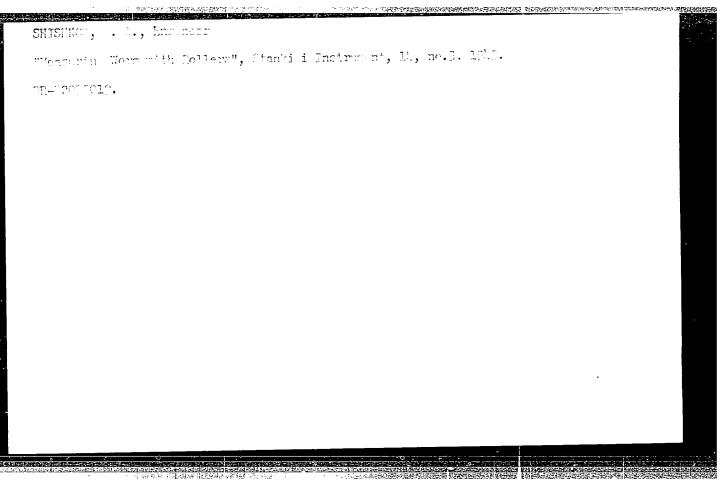
SHIPHING, H	*						(22m) (1.77) (1.77)
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emanue, . A., Engineer		
"Setting Up the Profile of a Tool or Work Piece by the Gra his Telling Method", Straig i Instrument, 14, No. 3, 1243.		
¤ <u>R-520√901</u> 2.		
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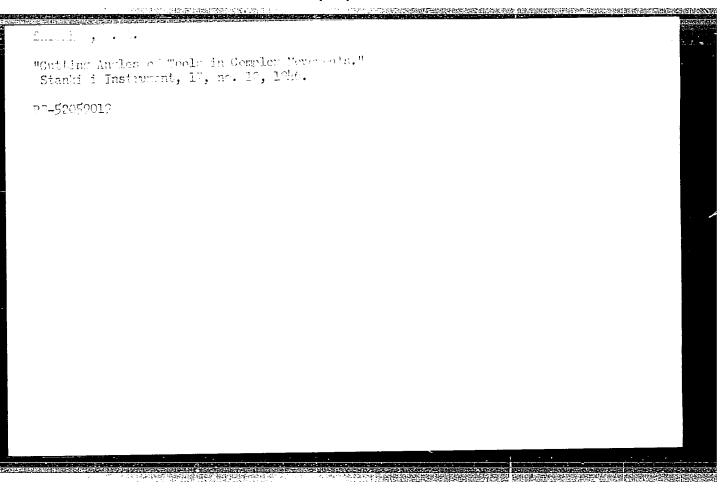
SHISHKN, V. A.

Podbor zubchatykh koles. Moskva, Mashgiz, 1946. 206 p. diagrs.

Matching gear wheels.

DLC: TJ184.S5

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.



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SHISEKOV, V. A. - "Determination of the profile linked with a given profile when burnishing," Trudy INIT'S (Eksperim. nauch.-issled. in-t metallorezhushchikh stankov), Issue 1, 1948, p. 35-65

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949.)
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SHISHKUY, Y. A.

Korrigirovanie kontakta globoidnykh peredach. (Vestn. Hash., 1950, no. 11, p. 12-16)

Adjusting the contact of cone drives.

DLC: Til4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

SHISHKOV, V.A., doktor tekhn.nauk

Using the kinematic method in investigating pairs of gears and their machining. Izv.vys.ucheb.zav.; mashinostr. no.5:121-131 '58. (MIRA 12:5)

1. Moskovskiy vecherniy mashinostroitel'nyy institut.
(Gearing) (Gear cutting)

sov/115-58-6-6'43 Shishkov, V.A. AUTHOR: Determination of the Errors in Mechanisms with Lower Pairs (Opredeleniye oshibok mekhanizmov s nizshiri parami) TITLE: Izmeritel'neya tekhnika, 1958. Nr 6, pp 12-15 (USSR) PERIODICAL: of a mechanism con-If there are errors in the design sisting of links etc., the error multiplies in the following ABSTRACT: links. Academician N.G. Bruyevich proposed a graphical method for determining the small shifts caused by the leading link. The diagram of small shifts has much in common with a diagram of speeds. The difference, however, is that every point is moved by the wrong shift from its ideal position. In Figure 1 the point B may be shifted along the line AB due to e change in length of the link and perpendicularly to line AB due to a change of the angle. Tangential shifts are determined by the proportion of their distances from the center of turning (Figure 2). The plotting of a diagram of small shifts for a crank mechanism is shown in Figure 3. More complicated Card 1/2

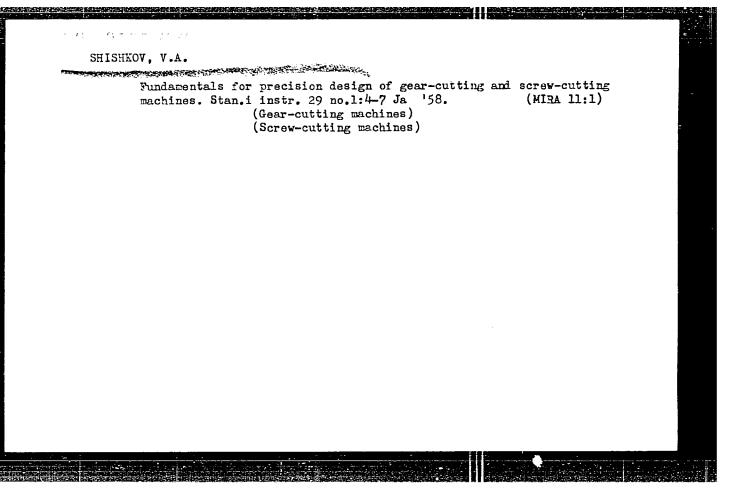
SOV/115-58-6-6/43

Determination of the Errors in Mechanisms with Lower Pairs

cases are illustrated in Figures 4 and 5. The described method may be used for finding the influence of the error of the various links on the error of the leading link as well as on the error of any other link.

There are 5 diagrams.

Card 2/2



AVRUTIN, S.V., inzh.; BAKLUNOV, Ye.D., kand.tekhn.nauk; GLEYZER, L.A., kand.tekhn.nauk; YRFIMOV, V.P., kand.tekhn.nauk; KARTSEV, S.P., inzh.; KEDRINSKIY, V.N., inzh., laureat Leninskoy prenii; KORZINKIN, V.I., inzh.; KOSILOVA, A.G., kand.tekhn.nauk; MALOV, A.N., kand.tekhn.nauk; MATYUSHIN, V.M., doktor tekhn.nauk; OSTRETSOV, G.V., kand.tekhn.nauk; PANCHENKO, K.P., kand.tekhn.nauk; PARFENOV, O.D., kand.tekhn.nauk; ROZHDESTVENSKIY, L.A., kand. tekhn.nauk; ROMANOV, V.F., kand.tekhn.nauk; SAVERIN, M.M., doktor tekhn.nauk; SAKHAROV, G.N., kand.tekhn.nauk; SOKOLOV;KIY, I.A., inzh.; FRUMIN, Yu.L., inzh.; SHISHKOY, V.A., doktor tekhn.nauk; ACHERKAN, N.S., prof., doktor tekhn.nauk, glavnyy red.; YhADISLAVLEY, Y.S., red. [deceased]; POZDNYAKOV, S.N., red.; ROSTOVYKH, A.Ya., red.; STOLBIN, G.B., red.; CHERNAVSKIY, S.A., red.; KARGANOV, V.G., inzh., red. graficheskikh rabot; GIL'DENBERG, M.I., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Metalworking handbook; in five volumes] Sprayochnik metallista v piati tomakh. Chleny red.soveta: V.S. Vladislavlev i dr. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.5. 1960. 1184 p. (MIRA 13:5)

(Metalwork)

SHISHKOV, V.A., doktor tekhn.nauk, prof.

Analyzing errors in kinematic chains of machinery. Vzaim.i tekh. izm.v mashinostr.; mezhvuz.sbor. no.3:102-121 '61.

(MIRA 14:8)

(Machinery, Kinematics of)

SHISMOV, V.A.; SHILOVA, Ye.A.

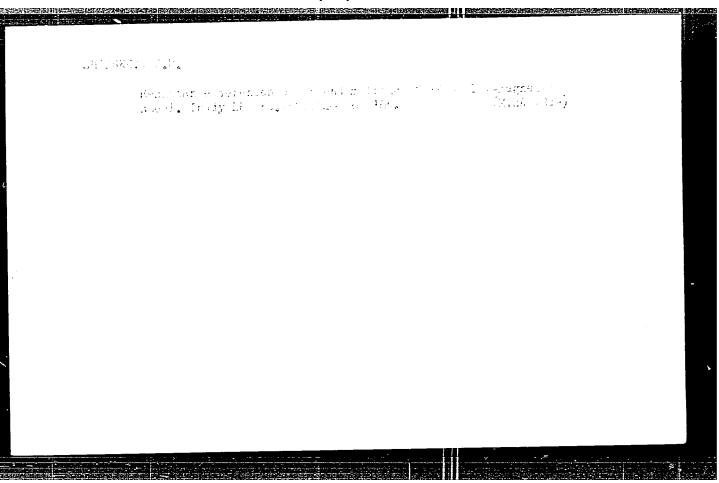
Analyzing cyclic errors of thread-grinding and screp-cutting machines.
Stan. i instr. 34 no.2:22-24 F '63. (MIKA 16:5)

(Screw-cutting machines)

PETRIK, M.I.; SHISHKOV, V.A.

[Tables for the selection of cog wheels] Tablitsy dlia podbora zubchatykh koles. Izd.2., perer. i dpp. Moskva, Izd-vo "Mashinostroenie," 1964. 450 p.

(MIRA 17:6)



GOROSHKOV, Yu.N., kand. tekhn. nauk; KUPTSOV, Yu.Ye., inzh. SHISHKOV, V.F., inzh.

Boltless clip for contact conductors developed by the Central Scientific Research Institute of the Ministry of Railroad Scientific Research Institute of the Ministry of Railroad Transportation. Vest. TSMI MPS 18 no.7:61-63 N 159.

(MIRA 13:2)

(Electric railroads--Wires and wiring)

GOROSHKOV, Yu.I., kand.tekhn.nauk; SHISHKOV, V.F., inzh.

Small sectional insulators with insulating inserts made from glass textolite. Vest. TSHII MPS 17[i.e. 19] no.7:38-40
(MRA 13:11)

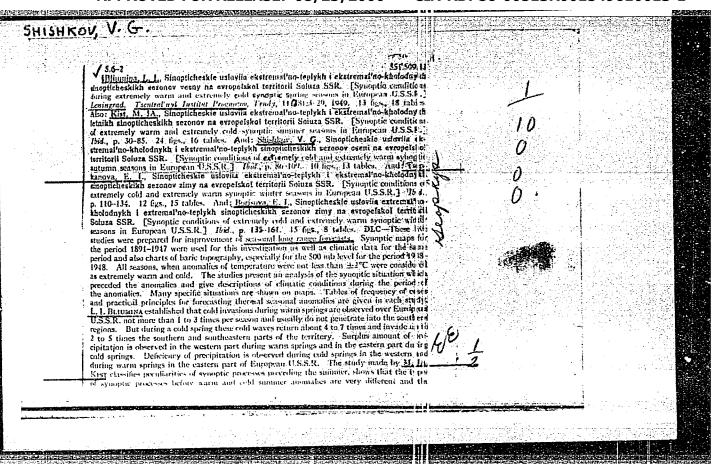
(60.

(Glass reinforced plustice)

BILIK, Sh.M., doktor tekhn.nauk; GOROSHKOV, Yu.I., kand.tekhn.nauk; SHISHKOV, V.F., inzh.

Plastic wire clampe. Elek. i tepl. tiaga 4 no.11:12-14 N '60. (MIRA 13:12)

(Electric railroads—Wires and wiring)



"Problem of the Frincipal Cynoptic method for Long-Amnge operates of method"

**Method is 12 of the Frincipal Cynoptic method for Long-Amnge operates of method. Indianology, No. 2, 12-5, 12-5

**Method is 2. J. Antonomia of method with the article of the same theme. (Long him eal, 125; 125) (Antonomy, No. 1, 130)

**Six Sum. 4:2, 12 may op

SHISHKOV, V. G.

"Certain Refinements in the Procedure for Forecasting the Extremely Warm and Extremely Cold Synoptic Seasons of Autumn".

Tr. Tsentr. in-ta, prognozov, No 36, pp 19-36, 1954.

The types of synoptic processes observed and predominating in synoptic seasons of the second half of summer which precede extremely warm autumnal seasons are determined, together, with indications as to the frequency of those processes that ensure temperature extremes in autumn. (RZhGeol, No 9, 1955)

SO: Sum No 884, 9 Apr 1956

CIA-RDP86-00513R001549610013-1 "APPROVED FOR RELEASE: 08/23/2000

SHISHKOV, V.G.

AID P - 2602

Subject

: USSR/Meteorology

Card 1/2

Pub. 71-a - 5/26

Author

: Shishkov, V. G.

Title

MORNING AND THE PARTY OF THE PA Importance of certain features of current seasonal periods based on synoptic charts for the prognosti-

cation of the next seasonal period

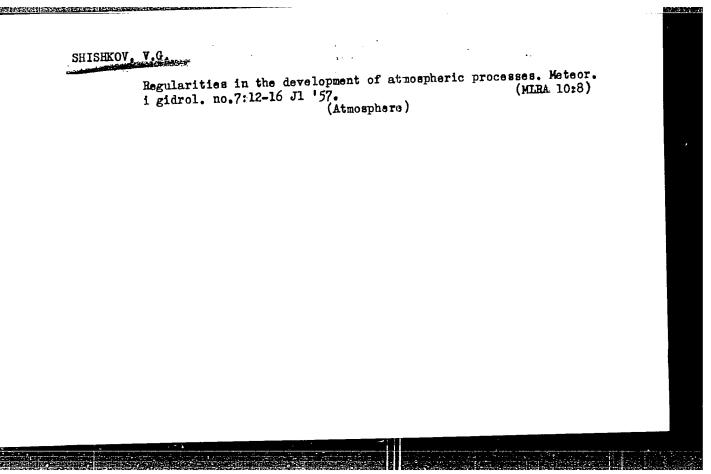
Periodical

: Met i gidr, 4, 28-31, J1/Ag 1955

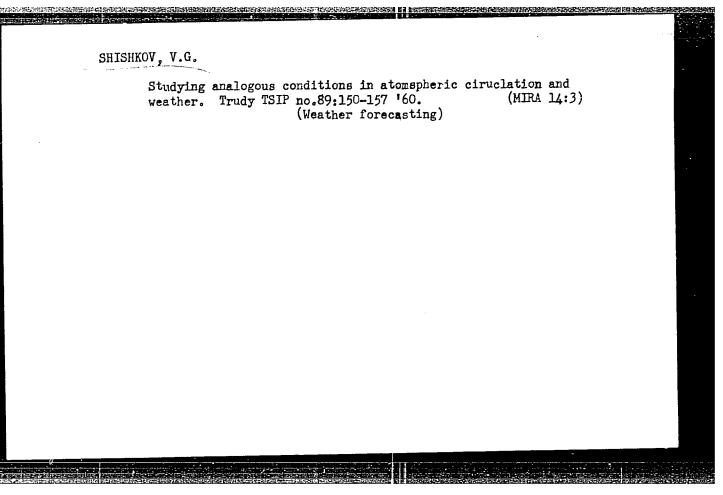
Abstract

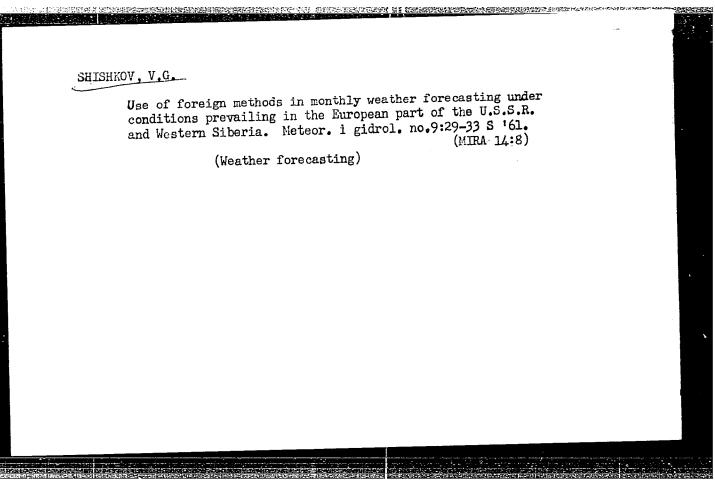
The article deals with short-range weather forecasting based on synoptic charts of previous seasonal weather conditions. The author maintain that analogous conditions at a given period are not necessarily followed by analogous seasonal weather conditions in the next period. A table listing errors in forecasting based on synoptic charts is given. The use of synoptic chart forecasting is recommended only for long-range weather prognosis. Three Russian references, 1940-

1950.



SH	HSHKOV, V.G.	
	Method of preparing monthly weather forecasts based on the repetition of synoptic processes. Trudy TSIP no.71:17-26 (MIRA 11:12) 58. (Weather forecasting)	
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ACCESSION NR: AP4022214

S/0050/64/000/003/0036/0041

AUTHOR: Shishkov, V. G. (Candidate of geographical sciences)

TITLE: Some questions on the synoptic method of long range weather forecasting

SOURCE: Meteorologiya i gidrologiya, no. 3, 1964, 36-41

TOPIC TAGS: synoptic method, weather forecasting, long range weather forecasting, analogue characteristic, reciprocal characteristic, reciprocal synoptic process, analogue process

ABSTRACT: The author has examined critically some methods of weather forecasting, particularly the method of Z. L. Turketti, who maintains that an analysis of the similarity of average values of H_{500} on maps for a synoptic period by means of the parameter P_{500} is more objective and more fundamental in weather prediction than any other method yet employed. This parameter represents the total characteristics of coincidence in direction of the zonal (P_{500}) and meridional (P_{500}) components of flow on two charts of At500. Since the components range from +1 to -1, P_{500} ranges

Card 1/2

ACCESSION NR: AP4022214

from -2 to +2. The author considers this parameter in various aspects and numerical values, from analogue and reciprocal approaches. He computes the value from maps showing average values of H500 for synoptic periods, and he demonstrates from this that the parameter cannot reflect the analogue character of weather development during a synoptic period. His analysis of results obtained by using the parameter indicates that these results very commonly distort actual similarity during development of two synoptic periods, especially when one employs reciprocal synoptic processes. The author concludes, therefore, that O_{Σ} is not satisfactory

in forecasting. He discusses other factors that indicate Turketti's criteria for prediction are invalid. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Tsentral nywy institut prognozov (Central Forecasting Institute)

SUBMITTED: 00

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OTHER: 000

Card 2/2

SHISHKOV, V.G., kand. geogr. nauk

Spring. Zem.i vsel. l no.2:84-85 Mr-Ap '65.

(MIRA 18:8)

ACC NR: AP6035695 (N)	SOURCE CODE: UR/0413/66/000/019/0043/0043
INVENTOR: Vorontsov, Ye. S.;	Pashkeyev, I. Yu.; Mikhaylov, G. G.; Shishkov, V. I.
ORG: none	·
TITLE: Method of copper foil Chelyabinsk Polytechnic Insti	production. Class 18, No. 186527 [announced by the tute (Chelyabinskiy politekhnicheskiy institut)]
SOURCE: Izobreteniya, promys	hlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 43
ABSTRACT: This Author Certif To obtain foil of various thi	icate introduces a method of copper-foil production. cknesses and configurations without strain hardening, d to oxidation at 750—800C for 1—1.5 hr with subsefilm in a hydrogen atmosphere at 500—600C for 3—5 min, from the blank.
SUB CODE: 13/ SUBM DATE: 2	25Jun65/
Cord 1/1	UDC: 621,785,33:621,785,34,062-416,002,2

SHISHKOV, V.I. (Deputy Chief), IVANTSOV, L. I. (Head Veterinary Doctor, Administration of Veterinary Medicine, Ministry of Agriculture, RSFSR).

"Timely implementation of measures in cases of subcutaneous Tabanus..." Veterinariya, vol. 39, no. 3, March 1962 pp. 9.

Win M, Gaic (hwynin, sels); marchin, val. (thychko, val.);

Win MP, Fal.

Hae of porous glass in filtration. Khim. prom. (Wkr.)

no.1:71.72 (1.6)69.

(XIR) 17-6

SHISHKOV, V.M., inzh., BCCHENOV, V.N., inzh.; ANDREYEV, M.M., inzh.; BUGLAYEV, V.F., inzh.

Studying the full-scale section of a plate type regenerator of gas-turbine locomotives. Trudy BITM no.21:94-100 164. (MIRA 18:8)

TEVENAD, V. C., kand. tekhn.nauk, dotsent; SHISHKOV, V.M., inch.

Change of the rest exchange and resistance of tubes finned with corrugated strips. Izv. vys ucheb. zav.; energ. 8 no.5;106-110 My 165. (MIRA 18:6)

1. Bryanskiy institut transportnogo mashinostroyeniya. Predstavlena kafedroy teplotekhniki.

MITROFANOV, Yuriy Mikhaylovich. Prinimali uchastiye: SHISHKOV, V.N., inzh.; KRESTNIKOV, I.L., inzh.; IVANOVSKAYA, K.M., red.; BODANOVA, A.P., tekhn. red.

[Reinforced concrete sectional spans] Zhelezobetonnye chlenennye proletnye stroeniia. Moskva, Avtotransizdat, 1963. 55 p. (MIRA 17:4)

SHISHRY, V.F., Cand Vet Lei-(dies' ""F-temorphologic changes of the cardio-vaccular system in highly productive cous them?"

Similarly disturbance of actabalism." as, 1956. 18 pp (Nos Vet Acad of Agr VSSR), 140 codie: (NT, 26-57, 217)

VERTINSKIY, K. I. (Professor), SHISHKOV, V. P. (Candidate of Veterinary Sciences, Moscow Veterinary Academy).

"Diagnosis and pathogensis of serious forms of acetonemia..."

Veterinariya, vol. 39, no. 2, February 1962 pp. 43

SHISHKOV, V. P. and SHATKIMA, T. H. (Aead of Medical Sc. J. SSr)

"Synthesis of Organic Preparations, Tagged With Isotope C14, From Acetylene"

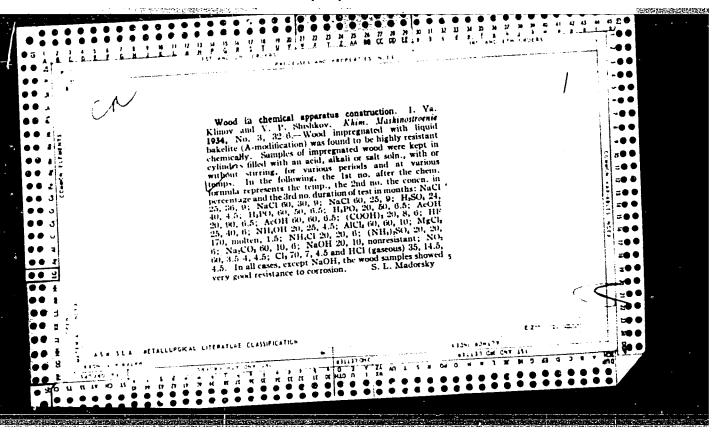
Isotopes and Radiation in Chemistry, Collection of papers of 2nd All-Union Sci. Tech. Conf. on Use of Radioactive and Stable Isotopes and Radiation in National Economy and Science, Moscow, Izd-vo AN SSSR, 1958, 380pp.

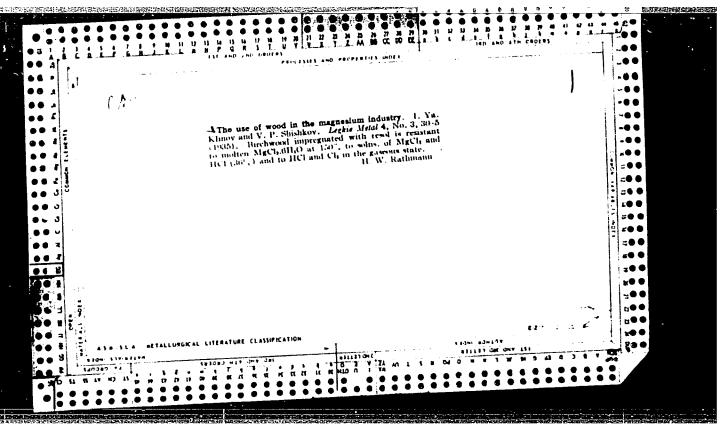
This volume published the reports of the Chemistry Section of the 2nd AU Sci Tech Conf on Use of Radioactive and Stable Isotopes and Radiation in Science and the National Economy, sponsored by Acad Sci USSR and Main Admin for Utilization of Atomic Energy under Council of Ministers USSR Moscow 4-12 Apr 1957.

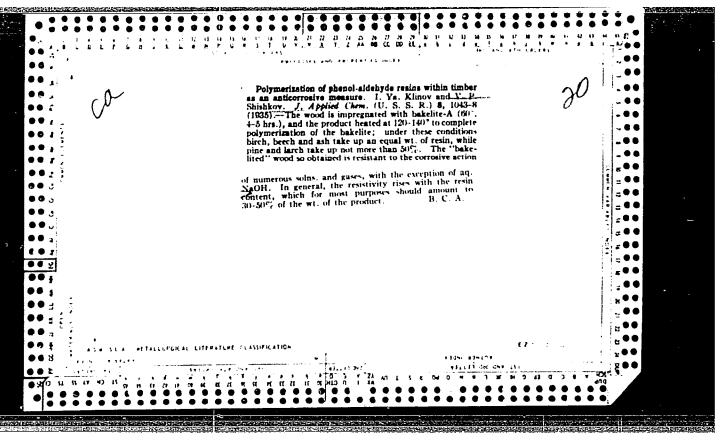
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card 6/8	Neukharov, I.N., and V.V. Agapov, Microqualitative Determination 211 of Methionine Tagged with 332	erov, I.M., and Yeas, Suspects	* Shishkov, VP., and A.V. Zhemchuzhina. Biosynthesis of Glu- coss 1,6-C1	*Burtsevs, L.N., and S.S. Vasileyokiz. Neutron Irrediation of 192 Crystalline Vitamin B12	T.P., and V.P. Shishkov. Froduction of Organic Tassed with Jill	Bartseya, L.N. Production of Polymothyl Metacrylate-Cla 183	_{Junds} Tagged Y1th g ³⁵ by	Electrochemical Product	1971thesis of Orennic Compounds France Tagged	kenicharov, I.M. Determination of Anthracene and Fhemanuscus 149 in Maphthalene Taggod With Cla	k-Shishkav, V.P., C.A. Anorova, and T.N. Shitkins. Synthesis of 140 organic Compounds Based on Acatriene 1,200	Radioactive	PART	TABLE OF CONTENTS:	General Ed.: VALESCAPE General Ed.: N.A. Caguro; General Ed.: VALESCAPE Tech. Ed.: N.A. Vissous; General Ed.: VALESCAPE Technical personnel workins in the production of radiocritic incommission of the growing radiocritic that they discuss methods of the forevore, the collection contains discussions on the production of radiocritic properties incommissions on the production of radiocritic properties. Also discussed are methods for properties, including the soluentic properties. Also discussed are methods for properties and entire logical sciences. Also discussed are methods for properties as a number of carrier-free lockopes and severa echlods for properties. **Energy of tagged compands, the absolute and relative measuresis of tagged organic compands, the absolute and relative measuresis of tagged organic compands, the absolute and relative measuresis of tagged organic compands, the absolute and relative measuresis of tagged organic compands are described and instructions concerning measurement methods and technique are included. V.I. Evin. **Cerming measurement methods and technique are included. V.I. Evin. **Cerming measurement methods and technique are mentioned and v.I. Shotsha, Candidates of Chemical Stances, are mentioned and v.I. Shotsha, Candidates of Cand	Metody polubhoniya i imereniya radioaktivnykh preparatov; sbornik atatey (Methods for the Production and Kesaurement of Radio- atatey (Methods for the Production of Articles) Wascov, Atchidat, active Preparations; Collection of Articles) Wascov, Atchidat, active Preparations; Collection of Articles)	PHASE I BOOK SXPLOITATION SOV/4563	

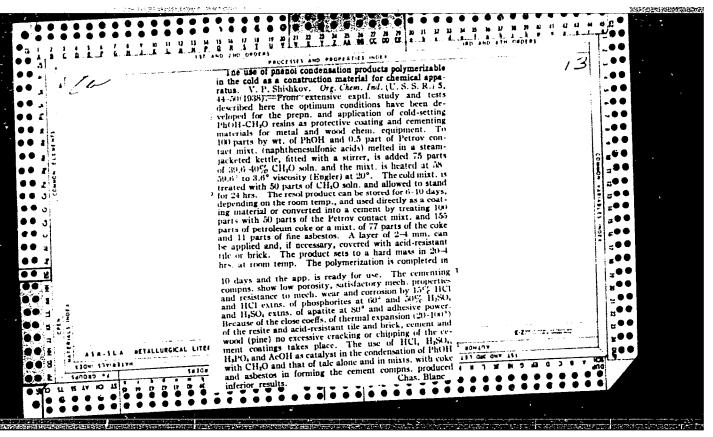
SHISHKOV, V.P., dotsent; BABAK, I.M., aspirant; SOLOV'YEV, F.A., dotsent;

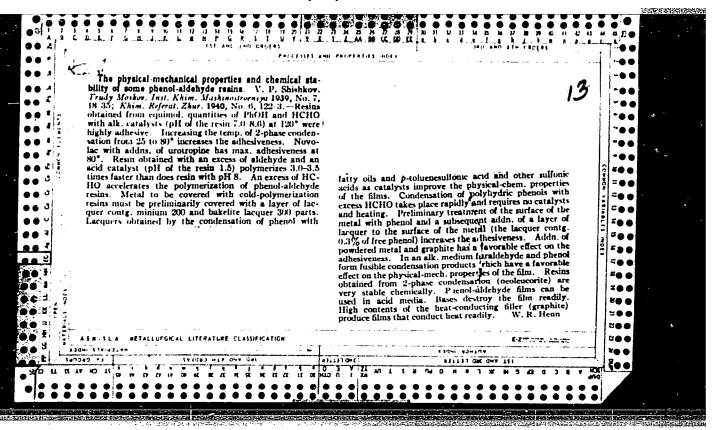
DANILEVSKIY, V.M., dotsent; VISHNYAKOV, S.I., dotsent; TITOV, G.I.; OKUNTSOV, L.P.; AFANAS'YEV, V.P.; ZHAROV, A.V., assistent; SLUGIN, V.S.; KRYLOV, O.N., aspirant Noninfectious diseases. Veterinariia 41 no.4:64-80 Ap 164. (MIRA 17:8) 1. Moskovskaya veterinarnaya akademiya (for Shishkov, Zharov). 2. Belotserkovskiy sel'skokhozyaystvennyy institut (for Babak). 3. Velikolukskiy sel'skokhozyaystvennyy institut (for Solov'yev). 4. Kurskiy sel'skokhozyaystvennyy institut (for Vishnyakov). 5. Zaveduyushchiy otdelom nezaraznykh zabolevaniy Buryatskey nauchno-proizvodstvennoy veterinarnoy laboratorii (for Titev). 6. Zaveduyushchiy Berezovskoy veterinarnoy laboratoriyey, Volgogradskaya obl. (for Okuntsov). 7. Nauchno-issledovatel skiy institut sel'skogo khozyaystva Kraynego Severa (for Afanas yev). 8. Pushkinskiy zverosovkhoz Moskovskoy oblasti (for Slugin). 9 Leningradskiy veterinarnyy institut (for Krylov).

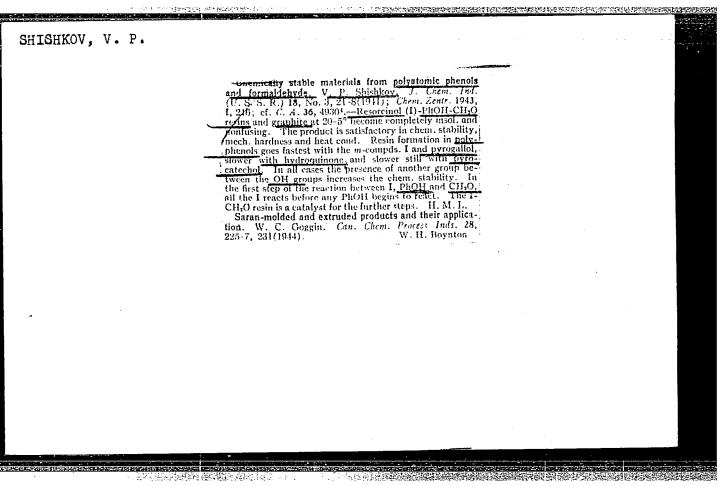


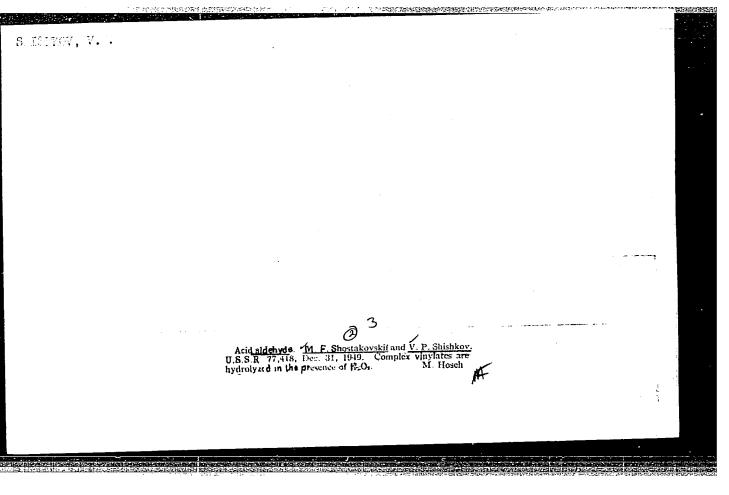












SHOSTAKOVSKIY, M.F.; SHISHKOV, V.P.; NETERMAN, V.A.

The role of peroxides in processes of polymerization of vinyl compounds. Khim. i Plz. Khim. Vysokomolekul. Soedineniy, Doklady ?-oy Konf. Vysokomolekul. Soedineniyam '52, 28-34. (MLRA 5:7) (CA 47 no.15:7819 '53)

ISAGULYANTS, V.I.; MEDZYKHOVSKAYA, N.A.; SHISHKOV, V.P.; BABOTINA, V.P.

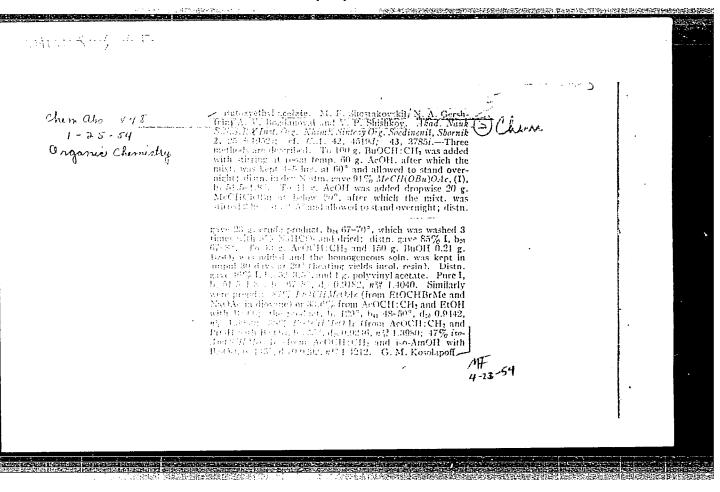
Synthesis and properties of the vinyl ether of 2-decahydro-2-naphthol.

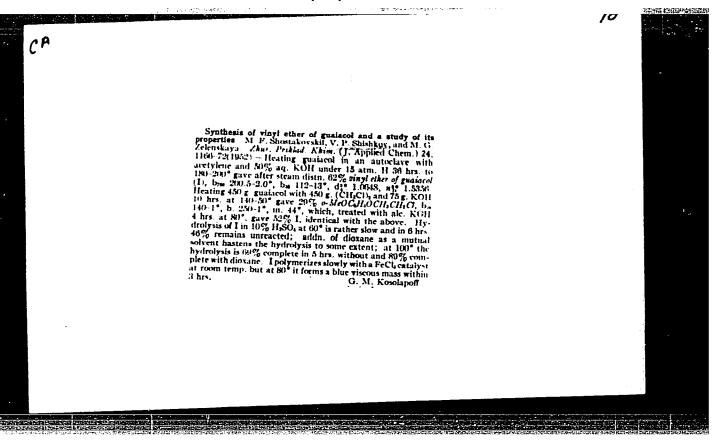
Doklady Akad. Nauk S.S.S.R. 85, 329-30 '52. (MLRA 5:8)

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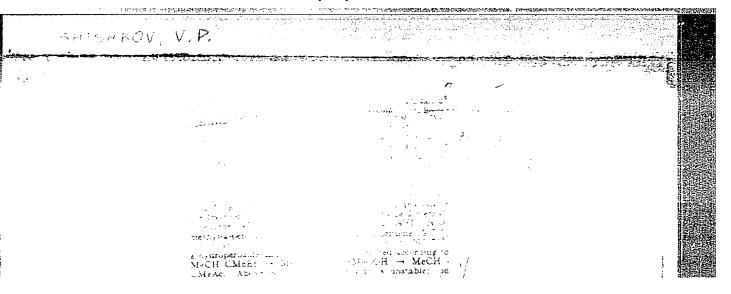
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"Jome Derivatives of the Winyl Ether of Reta-Lecalol," V.I. Isagulyants Act Mem, Acad Sci Armenian SSR, M. A. Medzykhovskaya, V. P. Shishkov, "Dok Ak Mauk SSSR" Vol 85, No 3, pp 567-570.

The vinyl ether of beta-decalol reacts with nbutyl alc to give butyl-beta-decalylacetal, which disproportionates on distn and apparently on standing. The vinyl ether of beta-decalol adds browne. It polymerizes very easily in the presence of acid catalysts (BF3, FeCl2, AlCl2) or benzoly peroxide. The polymers formed are hard, realmous substances. With BF2 catalyst, the reaction goes at neg temps; on heating to 45-70° the reaction proceeds violently; at high temps, a low mol polymer results. The polymer is non-thermoreactive, hard, clear, colorless to light yellow in color, and sol in a number of org solvents. In connection with Polymerization under use of catalytically acting quantities of benzoly peroxide, a cryst substance was extracted. According to its mol wt, it is a compd formed from 2 gram mols of the vinyl ether of decalol and one gram nol of oxygen.

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27.1100 (2220)

Anorova, G. A., Shishkov, V. P.

AUTHORS:

TITLE:

Synthesis of some S35-tagged organic compounds

SOURCE:

Metody polucheniya radioaktivnykh preparatov; sbornik statey (Methods of producing radioactive preparations; collection of articles). Moscow, Gosatomizdat, 1962. 170 p. illus.,

TEXT: Methods were devised for synthetizing \$35-tagged 4-methyl-2--thiouracil (I), 2-aminothiazole (II), acetylthiocholine iodide (III),

APPDANA mercantan (IV) via coveral intermediate links

-thiouracil (I), 2-aminothiazole (II), acetylthiocholine iodide (III),

APPROVED FOR RELEASE: 268/2000 of CFA-RIPESE-200513R001549610013-1

exchange.

mixture of 1.3 g metallic Na/and/2000 of CFA-RIPESE-200513R001549610013-1

mixture of 3.3 ml acetoacetic ester and 2 g I (C 42.27, H 4.2), H 4.2), addition of 3.3 ml acetoacetic ester and 2 g impurities the yield addition of 3.3 ml acetoacetic ester and 2 g impurities the yield addition of 3.3 ml acetoacetic ester and 2 g impurities the yield addition of 3.3 ml acetoacetic ester and 2 g impurities the yield addition of 3.3 ml acetoacetic ester and 2 g impurities the yield addition of 3.3 ml acetoacetic ester and 2 g impurities the yield addition of 3.3 ml acetoacetic ester and 2 g impurities the yield addition of 3.5 ml acetoacetic ester and 2 g impurities the yield addition of 3.5 ml acetoacetic ester and 2 g impurities the yield addition of 3.5 ml acetoacetic ester and 2 g impurities the yield addition of 3.5 ml acetoacetic ester and 2 g impurities the yield addition of 3.5 ml acetoacetic ester and 2 g impurities the yield addition of 3.5 ml acetoacetic ester and 2 g impurities the yield addition of 3.5 ml acetoacetic ester and 2 g impurities the yield addition of 3.5 impurities the yield addition o is obtained. Using thiourea without elemental 3, impullates the yield was 35.3 - 41.5%. An attempt was made to produce I by isotopic exchange from methyl thiouracil and Na₂S₃₅ in aqueous medium or S₂₅ in (NH₄)₂S₅.

Card 1/3

Synthesis of some S³⁵-tagged...

s/847/62/000/000/001/003 B144/B186

II was produced from 2 - 10 g thiourea, 10 ml ${
m H}_2{
m O}$ and 3 - 16 ml dichlorodiethyl ester by a 30-min heating on the boiling water bath, precipitating the free base from the solution of II hydrochloride, with NaOH, and purifying by adding excess benzene which was then evaporated in vacuo. The chemical yield was 40 - 60%, the activity yield was approximately 25%. Synthesis of III: $(CH_2)_2 S^{35} + ICOCH_3 \xrightarrow{CC1_4} I(CH_2)_2 S^{35} COCH_3 \xrightarrow{(CH_3)_3 N}$ $(CH_3)_2$ NCH $_2$ CH $_2$ S $_3$ 5COCH $_3$ ·CH $_3$ I. A new general reaction scheme is given for the synthesis of thioesters: CH_3 COSH + S $_3$ 5 $_2$ CH $_3$ COS $_3$ 5H + KOH $_3$ COS $_3$ 5K C1CH₂CH₂N(CH₃)₂ CH₃COS³⁵CH₂CH₂N(CH₃)₂ CH₃I CH₃COS³⁵CH₂CH₂N(CH₃)₂·CH₃I. The ethylene sulfide used for synthetizing III is obtained from potassium thiocyanate: KS³⁵CN + (CH₂)₂O $\frac{\text{H}_2\text{O}}{\text{H}_2\text{O}}$ (CH₂)₂S³⁵ + KCNO. The activity yield thiocyanate: to KSCN was 9%. IV was produced by isotopic exchange: $c_6H_5CH_2SH + s^{35} - c_6H_5CH_2s^{35}H + S$ and synthetically: Card 2/3

I. 11159-63 EPR/EWP(j)/EPF(c)/EWT(m)/BDS-AFFTC/ASD-Ps-li/Pc-li/Pr-li-RM/WW

ACCESSION NR: AT3002182 S/2917/62/000/242/0112/0133 78

AUTHOR: Bilik, Sh. M. (Dr. of technical sciences); Goroshkov, Yu. I. (Candidate of technical sciences); Luk'yanchikov, I. K. (Engineer); Shishkov, V. F. (Engineer)

TITLE: Insulating plastic bars, as a small-size sectionalizing insulator

SOURCE: Moscow. Vsesoyuzny*y nauchno-issledovatel*skiy institutezheleznodoro-zhnogo transporta. Trudy, no. 242, 1962. Primeneniye plastmass na zheleznodoro-

TOPIC TAGS: plastic sectionalizing insulator, KAST plastic, ISS-27,5 porcelain sectionalizing insulator

ABSTRACT: Extensive experimental investigations are reported of plastic materials for and design of a sectionalizing insulating bar intended for overhead contact wires in electrical railroad systems. Mechanical tests permitted to choose a 16-plyglass-textolite bonded by BF-2 resin as the most suitable material for the bar. Its breaking load was 1.375 kg/sq cm. This material is manufactured (trademark KAST) by the Orekhovo-Zuyevo plant "Karbolit" according to the standard specifications TU285-544b Its electrical characteristics are reported in the article. The KAST bars were given 3 coats (ED-5 exoxy resin, E-4020 sealer based on ED-6 epoxy,

Cord 1/2

zhnom transporte, 112-133

Table of Tuesday	2017年1月1日,1月1日中央大学的社会工作。
	TEST HELDIT, B. L., prof.: CHISHKOF, V.P., detsont; DOMNTO, 4.1., indicator
	Clinical and anatomical charges in on the lue to leukemia. Veterinacia 40 no.8:22-21 Ag 163.
	(MIRA 17:10) L. Hoskovskars rete: inschaya akademiya.
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ADOMAYTENE, S.V.; SIADKOV, A.M.; SHISHKOV, V.P.

Condensation of vinyl ethers with amides of substituted carboxylic acids. Part 1. Zhur.ob.khim. 34 no.2:432-434 F '64. (MIRA 17:3)

VERTINSKIY, K.I., prof.; SHISHKOV, V.P., dotsent; STREL'NIKOV, A.P., assistent

Aspergillosis in ducklings. Veterinariia 41 no.9:48-50 S '64.

(MIRA 18:4)

1. Moskovskaya veterinarnaya akademiya.

ADOMAYTENE, S.V.; SLEDKOV, A.M.; SHISHKOV, V.P.

Condensation of vinyl ethers with amides. Part 2. Zhur. ob. khim.
34 no.9:2958-2960 S '64.

(MIRA 17:11)

VERTINSKIY, K.I., prof.; ALIKAYEV, V.A., dotsent; PODKOPAYEV, V.M., dotsent; SHISHKOV, V.P., dotsent; ANDREYEV, I.A., veterin. vrach (Moskovskaya obl.); VLASOV, V.P., veterin. vrach (Moskovskaya obl.); MAMAYEV, A.P., veterin.vrach (Moskovskaya obl.); SHUL'GOVSKIY, I.P., veterin. vrach (Moskovskaya obl.)

Diagnosis, therapy, and prophylaxis of toxic dyspepsia in calves. Veterinariia 41 no.1:59-64 Ja '65. (MIRA 18:2)

1. Moskovskaya veterinarnaya akademiya (for Vertinskiy, Alikayev, Podkopayev, Shishkov).

SHISHKOV, V.P., dotsent

Fluorescence microscopic determination of vitamin A in the liver. Veterinariia 41 no.10:92-94 0 '64.

(MIRA 18:11)

1. Moskovskaya veterinarnaya akademiya.

PEREVOSHCHIKOVA. K.A.; BELOUSOV, A.P.; SHISHKOV, V.P.

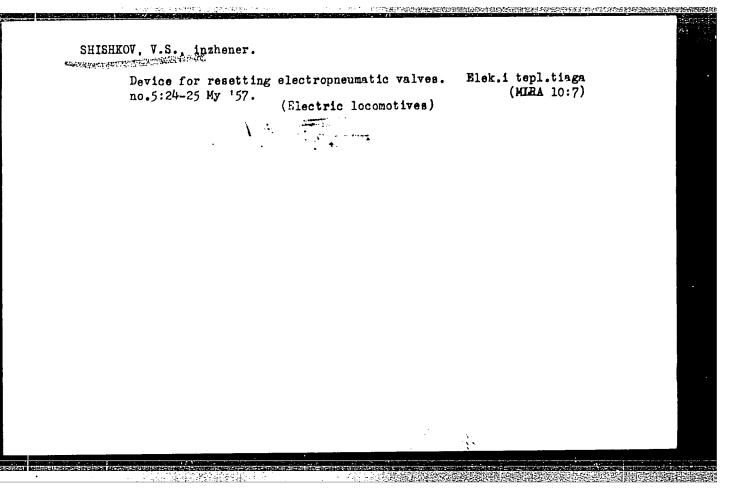
Accumulation of glutamine by tumors and its inclusion in the proteins of tumorous and normal cells. Vop. med. khim. 11 no.2:32-36 Mr-Ap (MIRA 18:10)

l. Biokhimicheskaya laboratoriya Gosudarstvennogo onkologicheskogo instituta imeni P.A.Gertsena. Moskva.

SHISHKOV, V.S.

Summer activities for physics teachers. Fiz.v shkole no.6:71-73 '53.
(MIRA 6:10)

1. Moscow, 627-ya shkola.
(Physics--Study and teaching) (Teachers, Training of)



SAVCHENKO, A.N., inzh.; SHISHKOV, V.S., inzh.

Special structural features of the high-voltage switch of the transformer stages of the N-80 electric locomotive. Vest. elektroprom. 33 no.5:8-11 My '62. (MIRA 15:5) (Electric locomotives) (Electric switchgear)

SHISHKOV, V.Ye.

Conduct warble fly control measures in an organized manner. Veterinariia 34 no.3:8-12 Mr '57. (MLRA 10:4)

Improving the work of meat, dairy and food product control stations Veterinaria 34 no.9:37-35 S '57. (MILA 16:9) 1. Glavnyy epizootolog, zamestitel' nachal'nika upravleniya veterinarii Glavnoy inapettaii po zhivotnovodatvu Ministeratve sel'skogo khozyaystva RSFSR. (Food adulteration and inspection)	namentine properties between	- 1000 (TOTAL) (TOTAL	· 在一个时间,我们就是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个	THE RESERVE
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veterinarii Glavnoy inspektali po znivotnovodavva ministra	ڪ نيٽ سنده ميٽ سنده	Improving the work of meat, dairy and food Veterinaria 34 no.9:32-35 S 157.	product control stations (MIRA 10:9)	,
		veterinarii Glavnoy inapektali po znivotno	ADDRAG WITTERSON SONS	

NASAROV, V. P. (Senior Scientific Co-Worker of GNKI [State Scientific Control Institute for Veterinary Preparations]) and SHISHKOV, V. E. (Deputy Chief of Veterinary Department of the Ministry of Agriculture of RSFSR)

"Rabies and prophylactic immunization of animals"

Veterinariya, vol. 39, no. 5, May 1962 p. 58

SHISHKOV, V. E. (Assistant Chief) and YEFIMOV, V. A. (Chief Veterinary Sanitary Inspector, Veterinary Department of the Ministry of Production and Stockpiling of Agricultural Products of RSFSR)

"Organization of veterinary - sanitary practices at the base - model farms" Veterinariya, vol. 39, no. 6, June 1962 p. 58

SHISHKOV, V.Ye.

Further improvement of veterinary service in the animal husbandry of the R.S.F.S.R. Veterinariia 37 no.7:5-9 Jl 60. (MIRA 16:2)

1. Zamestitel' nachal'nika Upravleniya veterinarii Ministerstva sel'skogo khozyaystva RSFSR.

(Veterinary medicine)

NAZAROV, V.P., starshiy nauchnyy sotrudnik; SHISHKOV, V. Ye.

Rabies and the prophylactic immunization of animals. Veterinaria 39 no.5:58-61 My 162 (MIRA 18:1)

1. Gosudarstvennyy nauchno-kontrol'nyy institut veterinarnykh preparatov (for Nazarov). 2. Zamestitel' nachal'nika Upravleniya veterinarii Ministerstva sel'skogo khozyaystva RSFSR (for Shishkov).

SHISHKOV, V.Ye.; YEFIMOV, V.A.

Planning of veterinary and sanitary measures on demonstration farms. Veterinariia 39 no.6258-61 Je 162 (MIRA 1821)

l. Zamestitel' nachal'nika Upravleniya veterinarii Ministerstra proizvodstva i zagotovok sel'skokhozyaystvennykh produkto: RSFSR (for Shishkov). 2. Glavnyy veterinarno-sanitarnyy inspektor Upravleniya veterinarii Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh produktov RSFSR (for Yefimov).

SHISHKOV, V.Ye.

Improve the veterinary service on collective and state farms of the Russian Federation. Veterinaria 40 no.6:11-15 Je '63. (MIRA 17:1)

1. Zamestitel' nachal'nika Upravleniya veterinarii Ministerstva proizvodstva i zagotovok sel'skokhozyaystvennykh produktov RSFSR.

SHISHKOV, Ye.N.; IVANOV, V.M., inzh.

Laboratory of the Dzerzhinskii Glass Works as a communist labor team. Zav.lab. 29 no.5:631 '63. (MIRA 16:5) (Glass factories) (Chemical laboratories)

SHISHKOV, Ye.N.; IVANOV, V.M.

Laboratory of communist labor. Stek. i ker. 20 no.7:43-44
J1 '63.

(MIRA 17:2)

l. Gusevskoy stekol'nyy zavod imeni Dzerzhinskogo.

USANOV, V.V., inzh.; Prinimali uchastiye; NAURITS, L.N., inzh.; TSIKLAURI, G.V.; SHISHOV, Ye.V.; VSEKHSVYATSKIY, V.N.; tekhnik; PONOMAREVA, T.A.; tekhnik; SHCHERBAKOV, V.D.; tekhnik; SPESIVYKH, A.F.; tekhnik

Heat exchange and resistance in an axisymmetric nozzle at low supersonic speeds. Trudy VNIIKIMASH no.5:61-83 '62. (MIRA 18:3)

AUTHOR:

Shishkov, Yu. A.

SO V/50-58-6-19/24

TITLE:

On Normal Linear Vector Correlation (O normal'noy lineynoy

korrelyatsii vektorov)

PERIODICAL:

Meteorologiya i gidrologiya, 1958, Mr 6, pp. 55-58 (USSR)

ABSTRACT:

The theory of the correlation of scalar quantities is rather distributed in hydrometeorology. Inspite of this, it is always considered inadequate since vector quantities are always used (wind, flow, pressure gradient, ice drift, and others more) which are connected with one another. This analytic connection cannot always be expressed since many factors cannot be determined. The theory of vector quantities must help in this case. However, this theory has hitherto been worked out only to an extremely small extent (Ref 1). Most regrettable is the fact that the achievements of this theory are used practically only to a very small extent since the latter deters by its seeming complicatedness. This is, however, not true. It is the object of the present paper to establish the mentioned theory in a form which can be used by the experts. First the tensors of regression

Card 1/2

On Normal Linear Vector Correlation

SOV/50-58-6-19/24

and correlation are explained and then the correlation exponent. Finally a method for the calculation of the correlation of two chance vectors is given. Table 1 gives an example of the correlation of the wind vector and the ice drift. There are 1 table and 1 reference, 1 of which is Soviet.

1. Meteorology--USSR 2. Hydrology--Applications 3. Hydrology --Analysis

Card 2/2

SHISHKOV, Yu.A.

Ice conditions in the southwestern part of the Kara Sea and meridional heat transport in the atmosphere. Probl. Sev. no.4:131-137 (MIRA 15:1)

(Kara Sea -- Sea ice)

ROMANOVA, N.A.; SHISHKOV, Yu.A.

Method of collating the meridional transport indices of heat and cold. Trudy Inst. okean. 57:47-49 162. (MIRA 16:10)

SHISHKOV, Yu.A.

Meridional heat transport in the lower troposphere and the anomalies of temperature conditions in the northern part of the Atlantic Ocean. Trudy Inst. okean. 57:156-199 '62.

(MIRA 16:10)

L 06544-67 EWT(1) GW ACC NR: AP6020981 (N)SOURCE CODE: UR/0213/66/006/003/0416/0429 AUTHOR: Shishkov, Yu. A. ORG: Institute of Oceanography, AN SSSR (Institut okeanologii AN SSSR) TITLE: Temperature anomalies in the northern Pacific Ocean $^{\checkmark}$ SOURCE: Okeanologiya, v. 6, no. 3, 1966, 416-429 TOPIC TAGS: physical oceanography, water temperature, areal temperature distribution, temparal temperature distribution, OCEAN PROPERTY / NORTH PACIFIC OCEAN ABSTRACT: Results are presented of a study carried out to locate the position and time-wise distribution of the most significant water-temperature anomalies (by month and year) in surface waters of the North Pacific. The data used in the study were voluminous and consisted of data obtained in 1940-1960 from 48 shore- and island- based stations, 3 weather ships, and materials selected from Katalog sudovykh okienograficheskikh nablyudeniy (Catalog of oceanographic ship óbservations), 🕶 compiled by the Institute of Oceanography, Academy of Sciences of the USSR. These data also included observations made at American Pacific coast and island stations. The study indicated that the northern Pacific, when large temperature anomalies are observed in the surface waters of the open sea, they also are observed in the offshore waters. Geographically, the area is divided into two regions, the southeastern and northwestern areas, in which opposite anomalies occur. The position of the UDC: 551.465.62/635(265/266) Card 1/2

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ACC NR: AP6020981

interface between these areas shifts from year to year, but, in general, the anomaly observed in the southeastern region exerts the predominant influence on the signs of the water-temperature anomalies averaged for the entire ocean. Changes in the sign of the anomaly in the southeastern region occur first in the southern portion of the area, moving gradually toward the north; in the northwestern region, the change takes place simultaneously along the entire coast. Charts compiled to show the distribution of water-temperature anomalies for the month of August show the distribution of water-temperature anomalies for the month of august during years in which the anomalies were largest indicate that this distribution cannot be attributed only to oceanic circulation. Orig. art. has 2 figures and [ER] 4 tables.

SUB CODE: 08/ SUBM DATE: 10Nov64/ ORIG REF: 004/ OTH REF: -013

Card 2/2 /n &E

S/074/60/029/06/03/005 B022/B003

AUTHORS:

Shishkov, Yu. D., Opalovskiy, A. A.

TITLE:

Physical and Chemical Properties of Chlorotrifluoride

PERIODICAL:

Uspekhi khimii, 1960, Vol. 29, No. 6, pp. 760-773

TEXT: Since all halogen fluorides are extremely reactive, the determination of their physical and chemical properties was very difficult, and was made possible only recently due to the improvement of the experimental technique. Several physical constants of known halogen fluorides are mentioned in Table 1. The sequence for the reactivity of halogen fluorides is as follows: C1F3 > BrF5 > IF7 > C1F > BrF3 > IF5 > BrF6.



It results that chlorotrifluoride is the most reactive one. This compound is mainly used as a fluorination agent for preparing uranium hexafluoride which is utilized as a reactor fuel. Hitherto no survey of publications has provided data on the systems basing on chlorotrifluoride, since such investigations were made only lately, and were published in the press in connection with the work of the Second International Conference on the

Card 1/3

Physical and Chemical Properties of Chlorotrifluoride

S/074/60/029/06/03/005 B022/B003

Peaceful Uses of Atomic Energy. The methods mentioned in publications for the production of chlorotrifluoride and its physical properties are discussed. Fig. 1 illustrates the results of determination of the melting point of chlorotrifluoride with different degrees of purity. The vapor pressure of chlorotrifluoride is given in Fig. 2. Data on the molar thermal capacity of chlorotrifluoride are compiled in Table 2. The viscosity of chlorotrifluoride is indicated in Table 3; the values of the equilibrium constants K_e for the reaction $ClF_3 = ClF_2 + F_2$, in Table 4; the K_e -values for the reaction $2ClF_3 = (ClF_3)_2$, in Table 5. Further, data are supplied on the association of ClF_3 , nuclear magnetic resonance spectra, infrared absorption spectra, and Raman spectra. The most important chemical reactions of chlorotrifluoride are listed, and especially the interaction of ClF_3 with metallic uranium is dealt with in detail. The diagram of the equilibrium between the solid and the liquid phase in the system ClF_3 - HF is shown in Fig. 3; the liquid = gas equilibrium for the system ClF_3 - HF, in Fig. 4; and the solid = liquid equilibrium for the system ClF_3 - UF6, in Fig. 5. The liquid = gas equilibrium for the system ClF_3 - UF6, in Fig. 5. The liquid = gas

Card 2/3

GALKIN, N.P.; PONOMAREV, L.A.; SHISHKOV, Yu.D.; PODOSHVINA, V.A., red.; VLASOVA, N.A., tekhn. red.

[Plutonium hexafluoride, its preparation and properties] Geksaftorid plutoniia, ego poluchenie i svoistva. Moskva, Gos.izd-volit-ry v oblasti atomnoi nauki i tekhniki, 1961. 34 p.

(MIRA 15:2)

(Flutonium fluoride)

SHISHKOV, YU.D.

Z

PHASE I BOOK EXPLOITATION

SOV/5820

Callin, H. P., A. A. Mayorov, U. D. Veryatin, B. N. Sudarikov, H. S. Mikelayev, Yu. D. Shishkov, A. B. Krutikov

Khimiya i tekhnologiya ftoristykh soyedineniy urana (Chemistry and Techtology of Urunium Fluoride Compounds) Moscov, Gosatomizdat, 1961. 347 p. Errika slip inserted. 4500 copies printed.

Ed. (Pible page): N. P. Galkin, Doctor of Technical Sciences, Professor; Ed.: N. A. Korobtsova; Tech. Ed.: S. M. Popova.

FURTHER: This book is intended for chemical and nuclear engineers and brackers and students of schools of higher education.

CO.TILLVIE: The monograph reviews Soviet and non-Soviet literature published up to June 1960 on the physicochemical properties of uranium fluorides and methods of producing them from salts, oxides, and metallic uranium. Methods of processing uranium chemical concentrates to the tetra- and hexage fluorides, which are initial products in the production of nuclear fuel,

Card 4/3

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	Thysicophenical Properties of Uranium Fluoride Compounds	21	
	Ch. II. Production of Unadian Tetracluoride From Aqueous Solutions	5.3	
	on. III. Dry Methods of Freducing Uranium Tetrafluoride	78	
	C. 17. Production of Uranium Hemafluoride	136	
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s/020/62/143/001/023/030 150UP B106/B138 Nikolayev, N. S., and Shishkov, Yu. D. Fluorination reaction of uranium tetrafluoride with chlorine 21.+200 PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 1, 1962, 130 - 132 AUTHORS: TEXT: The reaction was studied between 18 - 300°C. Under the experimental conditions (action of ClR on The in a Centain period of the termon tall conditions (action of ClR on The in a Centain period of the termon) TITLE: TEXT: The reaction was studied between 10 - 30000. Under the experimental conditions (action of CIF, on UF, in a certain period at the temperature investigated) which is a studied between 10 - 30000. Under the experimental conditions (action of CIF, on UF, in a certain period at the temperature investigated) which is a studied between 10 - 30000. atures investigated) uniform residues of the UF 4 fluorination were found. It was inferred from the results of chemical and of X-ray analyses of these residues that intermediate stages exist via which the reaction takes place. The UF6 yield served as a criterion for the reaction intensity. The results are shown in Fig. 1. The first reaction step (up to 50°C) The results are shown in Fig. 1. The first reaction step (up to 5 follows the pattern $3UF_4 + 2ClF_3 \rightarrow 3UF_6 + Cl_2$ (2), and $3U_4F_{17} + ClF_3 \rightarrow 6U_2F_9 + 1/2 Cl_2$ (2), and $3U_4F_{17} + ClF_3 \rightarrow 6U_2F_9 + 1/2 Cl_2$ (3) take place from 5000 and 3U4F17 (2), and $3U_4F_{17} + ClF_3 \rightarrow 6U_2F_9 + 1/2 Cl_2$ (3) take place from 50°C onward. These two reactions are predominant up Card 1/4

S/020/62/143/001/023/030 B106/B138

Fluorination reaction of ...

to 100°C. If temperatures are still higher, UF is formed as a result of the reaction $3U_2F_9 + C1F_3 - 6UF_5 + 1/2$ Cl2 (4). The dipping part of the curves in Fig. 1 corresponds to a decrease in the amount of UF4 and to the predominance of the U_2F_9 phase in solid residues. This phase is fluorinated in the course of the reaction following Eq. (4). Finally, the almost pure phase UF5 is found at 150°C. It continues to react with chlorine trifluoride, following the pattern $3UF_5 + C1F_3 \rightarrow 3UF_6 + 1/2$ Cl2 (5). This reaction shows a much lower intensity than reaction (1) so that the UF6 yield diminishes and finally reaches a minimum. Within this minimum, the formation of UF6 takes place exclusively via uranium pentafluoride. The higher UF6 yield with increased temperature (up to 300°C) is caused by an increase in the intensity of reaction (5). The fluorination of UF4 was compared with the well known reaction of uranium tetrafluoride with gaseous fluorine (Ref. 4: see below). When fluorine acts

Fluorination reaction of ...

S/020/62/143/001/023/030 B106/B138

on UF $_4$ at room temperature no hexafluoride is formed, whereas fluorination with ClF $_3$ under the same conditions renders considerable yields of UF $_6$. Comparable yields of the two fluorination reactions are observed at temperatures $>300^{\circ}\text{C}$, but even here, the process with ClF $_3$ shows a noticeably higher intensity. Thus, ClF $_3$ is more active in fluorination under similar conditions than fluorine. The equilibrium constants for reaction (1) and for the reaction UF $_4$ + ClF $_3$ \longrightarrow UF $_6$ + ClF (7), which might possibly be taken into consideration were calculated:

$$K(1) = \begin{cases} 4.4 \cdot 10^{94} & \text{(for 25°C)} \\ 1.4 \cdot 10^{56} & \text{(for 300°C)} \end{cases}$$

$$K(7) = \begin{cases} 3 \cdot 10^{34} & \text{(for 25°C)} \\ 1.6 \cdot 10^{21} & \text{(for 300°C)} \end{cases}$$
authors concluded from the solution of the solution of

authors concluded from these high values that no values of thermodynamic constants were involved. A comparison of the two value couples, however, shows a predominance of reaction (1). Furthermore, chlorine was the predominant component of the gaseous reaction products in all conducted

Card 3/5

X

Fluorination reaction of ...

S/020/62/143/001/023/030 B106/B138

experiments. ClF was only formed in unimportant small amounts which were probably caused by secondary reactions. There are 1 figure and 5 non-Soviet references. The four most recent references to English-language publications read as follows: H. R. Leech, Chem. and Ind., 1960, 5, 242; V. Y. Labaton, J. Inorg. and Nucl. Chem., 10, 86 (1959); Ref. 4: V. Y. Labaton, K. D. Johnson, J. Inorg. and Nucl. Chem., 10, 74 (1959); L. Stein, R. Vogel, Ind. and Eng. Chem., 48, No. 3 (1956).

PRESENTED: October 11, 1961, by I. V. Tananayev, Academician

SUBMITTED: October 11, 1961

Card 4/5

X

L 11/925-63 EWP(q)/EWT(m)/BDS JD/JW/JG ACCESSION NR: AP3003988 S/0089/63/015/001/0081/0081	
ACCESSION NR: AP3003988 S/0089/63/015/001/0081/0081	
AUTHORS: Nikolayev, N. S.; Shishkov, Yu. D.	
TITLE: Fluorination of uranium sulfate by chlorine trifluoride	u ·
SOURCE: Atomnaya energiya, v. 15, no. 1, 1963, 81	
TOPIC TAGS: fluorination, uranium sulfate, chlorine trifluoride	
ABSTRACT: The authors have studied the fluorination reaction of uranium sulfate by a gaseous chlorine trifluoride in a horizontal cylindrical nickel reactor. CIF, acted on U(SO ₄) ₂ for an hour at arious temperatures. The composition of the solid phase was analyzed chemically and by X-ray diffractions; The yield of reac-	
tions was measured by UF6. The results are given in a table. The fluorination reaction is described by a chemical formula. Orig. art. has: 1 formula and 1	
table.	
ASSOCIATION: none SUBNITTED: OlNov62 DATE ACQ: O8Aug63 ENCL: O0 SUB CODE: PH NO REF SOV: OOl OTHER: OO4	
Card 1/1	

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Laternool of metallic prentum with mydrogen. Pruny (METI no.13:07-7: 163.
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SHIPPY, Th.D.; TARASCY, V.T.; SUBARINOT, B.M.
Subgraction of metallic uranium with later wagor. Trudy MERTT no.43:72-77 163. (KERA 17:10)

GALKIN, N. P.; TARACOV, V. I.; SHISHKOV, YH. D.

"Thermochemical properties of oxides, halides, oxyhalides and mixed halides of uranium."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

EVT(1)/EVT(m)/EPF(n)-2/EVP(t)/EVP(b)IJP(c) ES/JD/kW/ BOOK EXPLOITATION ACCESSION NR AM5004510 Galkin, N. P. (Doctor of Technical Sciences); Sudarikov, B. N.; (Cendidate of Chemical Sciences); Veryatin, U. D.; Shishkov, YU. D.; Mayorov, A. A. Technology of uranium (Tekhnologiya urana), Moscow, Atomizdat, 1964, 308 p. illus., biblio. 173,650 copies printed. TOPIC TAGS: uranium, uranium compound, geochemistry, nuclear fuel PURPOSE AND COVERAGE: The book is intended for training engineers in the specialty "technology of natural radioactive elements". In the course that is offered in the Moscow Order of Lenin Chemical Engineering Institute imeni D. I. Mendeleyev. The description of the technological processes is preceded by a section covering the history of the uranium industry, the use of uranium, the chemical and physical-chemical properties of metallic uranium and its most important compounds, and some problems of the geochemistry of uranium. The technological processes for processing wranium or to obtain metallic wranium and its compounds used for nuclear fuel are presented in sequence, beginning from the ore beneficiation plant and ending in the specialized plants producing the finished product. Basic attention in this text is given to the chemical and physical-chemical bases of the processes and their equipment.

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